




**Product:** [83003](#) 

Lead Wire, #24 Str SPC, TFE Ins, AWM 1213 105C TYPE E

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### Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
24	19x36	SC - Silvered Copper	1

Conductor Count: 1

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.044 in	0.01 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
24 Ohm/1000ft

##### Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	3.3 amps

##### Voltage

Description	Voltage Rating [V]
Mil-W-16878/4	600 V

#### Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

#### Mechanical Characteristics

Bulk Cable Weight:	2 lbs/1000ft
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#### Standards

UL AWM Style:	1213
Military Specification:	MIL-W-16878/4 (Except For Stranding)

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes

EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
83003 010100	Black	612825354857	100 ft	E
83003 0101000	Black	612825353881	1,000 ft	E S
83003 010500	Black		500 ft	E S
83003 006100	Blue, Light		100 ft	E
83003 0061000	Blue, Light		1,000 ft	E S
83003 006500	Blue, Light		500 ft	E S
83003 001100	Brown		100 ft	E
83003 0011000	Brown	612825399247	1,000 ft	E
83003 008100	Gray		100 ft	E
83003 0081000	Gray	612825399285	1,000 ft	E S
83003 005100	Green, Dark		100 ft	E
83003 0051000	Green, Dark	612825399278	1,000 ft	E S
83003 005500	Green, Dark		500 ft	
83003 003100	Orange		100 ft	E
83003 0031000	Orange	612825399254	1,000 ft	E S
83003 003500	Orange		500 ft	E S
83003 002100	Red		100 ft	E
83003 0021000	Red	612825378327	1,000 ft	
83003 002500	Red			E S
83003 007100	Violet		100 ft	E
83003 0071000	Violet		1,000 ft	E S
83003 009100	White	612825354840	100 ft	E
83003 0091000	White	612825378334	1,000 ft	E S
83003 009500	White			E S
83003 004100	Yellow		100 ft	E
83003 0041000	Yellow	612825399261	1,000 ft	E S
83003 004500	Yellow			

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
Footnote:	S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)

## History

Update and Revision:	Revision Number: 0.280 Revision Date: 04-08-2020
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